ABSTRACT OF THE DISCLOSURE

A method of reproducing first images and second images simultaneously, synchronizing them with each other. The method includes the processes of: reading first image data representing the first images and second image data representing the second images from a recording medium; storing the first image data into a first memory device and storing the second image data into a second memory device; and separately and simultaneously decoding the first image data and the second image data by using a first decoding device and a second decoding device. In this method, each of the first image data and the second image data is divided into a plurality of data units each having an equal time length and an equal data size, and each of the data units of the first image data and each of the data units of the second image data are alternately arranged on the recording medium.